

January 10, 2020 DVP-200002

Mr. David Jones Air Pollution Control Officer South Coast Air Quality Management District 21865 East Copley Drive Diamond Bar, California 91765-4182

Subject:

Monthly Report of Excess Emissions for December 2019

SCAQMD FILE # 100154

Dear Mr. Jones:

Excess emissions summaries for each boiler for December 2019 are attached.

Emission concentration limits (ppm) do not apply during the normal start up and shut down conditions for each boiler. Thus, exceedances within the permit limits during start up and shut down, as defined in the amendment, are not applicable and as such not reportable.

Please call if you have any questions or comments. I can be reached at (916) 596-2503.

Sincerely,

Heath Hildehrand

Plant Manager Greenleaf Power

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encl

cc:

Chief, Stationary Source Division

California Air Resources Board

P.O. Box 2815

Sacramento, CA 95814

Director, Air Management Division

Attention: Air-5

U.S. Environmental Protection Agency

75 Hawthorne Street

San Francisco, CA 94105-3901

DESERT VIEW POWER PLANT EXCESS EMISSIONS REPORT

BOILER #1 December 2019

Boiler	Quarterly Report		H		Duranti	Re	eading at 3%		Hours Operated: 5
Number	Code	number	Date	Limit Exceeded	Duration		Maximum	Permit	
			Bute	Limit Exceeded	(hrs)	Value	Value	Limit	Comments
			12/11/2019	Nox lb/hr 3-Hr	1		- 24		
				NON IONII O TII	 		31	30	O2 wet analyzer inerter failed calibration
					 				
			CEMS			CEMS			0.500
			12/1/2019	Nox ppm@3%	1				CEMS CEM taken out of service for maintenance.
			12/9/2019	Nox ppm@3%	12				CEM taken out of service for maintenance.
			12/13/2019	Nox ppm@3%	6				CEM taken out of service for maintenance.
			12/14/2019	Nox ppm@3%	1				CEM taken out of service for maintenance.
			12/1/2019 12/9/2019	Nox Ib/mmbtu	1				CEM taken out of service for maintenance.
			12/13/2019	Nox lb/mmbtu	12				CEM taken out of service for maintenance.
			12/14/2019	Nox lb/mmbtu	6				CEM taken out of service for maintenance
			12/1/2019	Nox lb/mmbtu Nox lb/hr	1				CEM taken out of service for maintenance
			12/9/2019	Nox lb/hr	1 12				CEM taken out of service for maintenance
			12/13/2019	Nox lb/hr	6				CEM taken out of service for maintenance.
			12/14/2019	Nox lb/hr	1				CEM taken out of service for maintenance.
			12/1/2019	SO2 ppm@3%	1				CEM taken out of service for maintenance.
			12/9/2019	SO2 ppm@3%	12				CEM taken out of service for maintenance.
			12/13/2019	SO2 ppm@3%	6		+		CEM taken out of service for maintenance.
			12/14/2019	SO2 ppm@3%	1				CEM taken out of service for maintenance.
			12/1/2019	SO2 lb/mmbtu	1 1				CEM taken out of service for maintenance.
			12/9/2019	SO2 lb/mmbtu	12				CEM taken out of service for maintenance.
			12/13/2019	SO2 lb/mmbtu	6				CEM taken out of service for maintenance.
			12/14/2019	SO2 lb/mmbtu	1		+		CEM taken out of service for maintenance.
			12/1/2019	SO2 lb/hr	1				CEM taken out of service for maintenance.
			12/9/2019	SO2 lb/hr	12				CEM taken out of service for maintenance.
			12/13/2019	SO2 lb/hr	6				CEM taken out of service for maintenance.
			12/14/2019	SO2 lb/hr	1				CEM taken out of service for maintenance.
			12/1/2019	CO ppm @3% O2	1				CEM taken out of service for maintenance.
				CO ppm @3% O2	13				CEM taken out of service for maintenance.
				CO ppm @3% O2	1				CEM taken out of service for maintenance.
				CO ppm @3% O2	6				CEM taken out of service for maintenance.
			4.2.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.	CO ppm @3% O2	1				CEM taken out of service for maintenance.
			12/1/2019	CO lb/hr	1				CEM taken out of service for maintenance.
			12/5/2019	CO lb/hr	- 				CEM taken out of service for maintenance.
			12/9/2019	CO lb/hr	13				CEM taken out of service for maintenance.
			12/12/2019	CO lb/hr	1				CEM taken out of service for maintenance.
			12/13/2019	CO lb/hr	6			[9	CEM taken out of service for maintenance.
			12/14/2019	CO lb/hr	1				CEM taken out of service for maintenance.
					+			——- I ^c	CEM taken out of service for maintenance.

NOTE:

The term ALL is used in the Limit Exceeded column to indicate the following: (Nox ppm, Nox lb/hr, Co ppm, Co lb/hr, So2 ppm, & So2 lb/hr)

DESERT VIEW POWER PLANT EXCESS EMISSIONS REPORT

BOILER #2 December 2019

	Overterly	5		Hours Operated: 744								
Boiler	Quarterly Report Code	Excess Emission		i i.	Reading at 3% O2	Reading at 3% O2 Average Maximum Permit Value Value Limit		Reading at 3% O2				
	Cede	Emission	1		Duration	Average	Maximum	Permit	· ·			
Number	Code	number	Date	Limit Exceeded	(hrs)	Value	Value	Limit	Comments			
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NOTE:

The term ALL is used in the Limit Exceeded column to indicate the following: (Nox ppm, Nox lb/hr, Co ppm, Co lb/hr, So2 ppm, & So2 lb/hr)

DESERT VIEW POWER PLANT EXCESS EMISSIONS REPORT

STACK December 2019

Quarterly Excess Code Code	Hours Operated: 74	02	xcess Reading at 3% O2 puration Average Maximum Permit		Excess Emission	Quarterly	Boiler			
CEMS CEMS		Permit	Maximum	Average	Duration			Emission	Кероп	Mumbaa
CEMS	Comments	Limit	Value	Value	(hrs)	Limit Exceeded	Date	number	Code	number
12/5/2019 Opacity 6-min 1.50 CEM taken out of service for maintenance.										
12/5/2019 Opacity 6-min 1.50 CEM taken out of service for maintenance.										
12/5/2019 Opacity 6-min 1.50 CEM taken out of service for maintenance.										
12/5/2019 Opacity 6-min 1.50 CEM taken out of service for maintenance.										
12/5/2019 Opacity 6-min 1.50 CEM taken out of service for maintenance.										
12/5/2019 Opacity 6-min 1.50 CEM taken out of service for maintenance.				CEMC			CEMS			
	CEMS			CLIVIS	1.50	Onacity 6-min	12/5/2019			
	EM taken out of service for maintenance.				1.50	Opacity 6-min	12/0/2010			
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NOTE:

The term ALL is used in the Limit Exceeded column to indicate the following: (Nox ppm, Nox lb/hr, Co ppm, Co lb/hr, So2 ppm, & So2 lb/hr)



South Coast Air Quality Management District

Form 500-N

Title V - Deviations, Emergencies & Breakdowns
*This written report is in addition to requirements to verbally report certain types of incidents. Verbal reports may be made by calling AQMD at 1-800-288-7664 (1-800-CUT-SMOG) or AQMD enforcement personnel.

Mail To: SCAQMD P.O. Box 4941 Diamond Bar, CA 91765-0941

Tel: (909) 396-3385

Se	ction I - Operator	Information					www.agmd	
		Name of Operator That Appears On	Permit):	2 Valid	d AQMD Facility ID (Availa	blo On Dormit Ox	Invaliant I	
	Desert View Pov	ver	·	AQN	ID):	100154	invoice issued	
		00.000		-		100134	· · · · · · · · · · · · · · · · · · ·	
	Address: where incident occurred)	62-300 Gene Welmas						
,	mere melacik occurred)	Mecca	Street Add	dress				
		Miccoa	City		CA	92254		
4. N	Mailing Address:	Same As Above	on,		State	Zi	р	
	f different from Item 3)		Sireel Add	iress				
	-							
5. P	rovide the name, tille, a	nd phone number of the person to	City contact for further information:		State	Zip)	
	Kev	vin Lawrence	0					
		Name	Operations Ma	anager	(760) 262-1644		
Sec	tion II - Reporting	of Breakdowns, Deviations				Phone #	-	
1. Ti	nis written notification is	s to report a(n):		-				
Ţ	ype of incident		Verbal Report Due*		Written Report Due			
а	. Emergency under I	Rule 3002(g)	Within 1 hour of discovery		Within 2 working days from when the emission limit wa exceeded,			
. b	. Breakdown under:		5 B1 400 0000	•	For Rules 430 & 2004 -	Within 7 calendar	davs after	
	Rule 430 (Non	•	For Rules 430 & 2004 - Within 1 hor discovery.	breakdown is corrected, but no later than 30 days from start of the breakdown, unless a written extension is				
	☐ Rule 2004 (RE ☐ Rule 218 (Non	•	For Rule 218 – Within 24 hours or n	evt hueineer	granted.	granted.		
	[See Rule 218((f)(3)]	day for failure/shuldown exceeding	24 hours	For Rule 218 - With requ	rired semi-annual	reports.	
C.	Deviation with exce [See Title V Permit,	ss emissions Section K, Condition No. 22B]	Within 72 hours of discovery of the c shorter reporting period if required by applicable State or Federal Regulation	v an	Within 14 days of discov	ery of the deviatio	n.	
d.	Other Deviation [See Title V Permit,	Section K, Condition Nos. 22D & 23	None	• •	With required semi-annu	al monitoring repo	rts.	
TL.	alasidaskuus Eust Ju	Louis Lones			* *** * * * * * * * * * * * * * * * * *			
. Int	e incluent was tirst disc	overed by: Louie Lopez	Name	on	12/11/2019	10:00	♠ AM	
The	incident was first range	rted by: Operator #7			Date	Time	○ PM	
	_		of AQMD Staff Person	on	12/11/2019 Date	10:16 Time	€ AM	
	Via Phone				Date	14116	C: ₽M	
b. (C In Person		Notification	on Number (f	Required): 590901			
Whe	en did the incident actu	ally occur? 12/11/201 Date	9 10:00 © A	AM DM				
7	Received By:		Assigned By:		Inspector:			
	Date/Time Received:		Date/Time Assigned:			od Appie		
: DMD	Date Delivered To Team	n:	Date Reviewed Inspector Report:		Date/Time Received Assignment: Date Inspected Facility:			
SE	Team:	Sector:	Breakdown/Deviation Notification No.		Date Completed R			
- !	Recommended Action:	Capaci National			Cate Completed R	ерип.		
			nt Relief Issue NOV No		Other:			
	Final Action:	Cancel Notification Gran	nt Relief Issue NOV No		Other:			

	Has the incident stopped?	a. 💽 Yes, o	on:			11:00		b. C: No	
				Date		Time	C PM	n' r ∵MO	
6.	What was the total duration	of the incident	t?			01			
7.	For equipment with an opera	alina cvolo se	dofinad in D.	Days		Hours			
	when was the end of the ope	erating cycle d	uring which th	ne 430 (0)(3)(A), he incident occurred?		12/11/2019		10:00	
8.		entify each nie	co of equipm			Date mber) affected. At	tach photos (wi		o affected
	U1 CEM went into cal service to perform a si	at 07:40. U	lnon compl	letion of the cal U O2 wet. U1 did no	J1 CEM failed (D2 wet calibrat	ion. The E/I	tech took U1 C	EM out o
9.	me moracut may nave teant	iou iii a.				at or oar artir o	3.00. THIS E	ievaled the hou	r average
	a. X Violation of Permit Con-	idition(s):	EPA Per	mit CB-OP 99-0	01 II.A.15				
	b. Violation of AQMD Rule								
10.	What was the probable cause	e of the inciden	it? Attach add	ditional pages as nec	essary.				
	High NOx readings aft	ter U1 CEM	came out	of daily calibration	n 114 OFNE C.	led the O2 wet	and becaus	se of this there	was less
		9 00.00	. That elev	rated that hour's a	average to 36.4	44. The 3 hour	average is	30.0 lbs/hr.	was 1035
11.	Did the incident result in exce	ess emissions?	? C No	Yes (Complete the					
	□ voc	lbs	⊠ NOx _	30.800			16-		٠
								☐ H2S	
2.	For RECLAIM facilities Subject	of to Rule 2004	61/2) (N/ V. I	II aa	os Li Olhei	,	lbs		polluta
1	when determining compliance	with your ann				vere reported in ite	អា 11, do you ម	rant these emissions	s to be cou
	a. C Yes, for: NOx		b. 🦳 No, f	for: NOx S	SOx				
3 1	If box 12(b) above is checked, in	clude all inform	ation specified	in Rule 2004(i)(3)(B) a	ind (C), as applicable	в.			
J. 1	Describe the steps taken to co avoid future incidents. Include	rrect the probl photos of the	lem (i.e., steps failed envinn	s taken to mitigate exc	cess emissions, eq	uipment repairs, e	tc.) and the pre	ventative measures	employed t
	Alter OT CEM failed 02	2 wet our E/	I tech perfo	ntmed a single o					
_	After U1 CEM failed O2 aised ammonia flow to I	2 wet our E/ lower 3-hr a	'l tech perfo average.	ormed a single po			of cal the co	ontrol room oper	rator
1. V	Was the facility operating prop	2 wet our E/ lower 3-hr a	'l tech perfo average.	ormed a single po			of cal the co	ontrol room oper	rator
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4. V a 5. C	Nas the facility operating prop December 2009. We will be a second operation of the contract	2 wet our E/ lower 3-hr a perly prior to the because: erator error, ne	I tech perfo average. e incident? eglect or impro	ormed a single po	pint O2 calibrat	ion. Once out			rator
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Colmac Energy

Mecca, CA

Boiler 1 Daily Emissions Report

December 11, 2019

Emission Limits

Daily NOx lbs- 648

10.9

30-Day Rolling

NOx lb/mmBtu - 0.3 SO2 lb/mmBtu - 1,2

NO_x ppm NOx SO2 ppm Hour SO2 02% NOx ppm @3% 02 CO ppm lb/mmBtu SO2 ppm CO NOx lbs @3% 02 **Process** lb/mmBtu SO2 lbs CO ppm @3% 02 lb/mmBtu CO lbs Status 00 8.8 46.0 68.0 0.095 26,13 12.1 17.9 0.035 9.51 01 10.1 8.7 50.2 14.9 0.013 73.7 3.48 0.103 Normal 28.73 13.6 20.0 0.039 10.84 02 10.5 8.8 43.6 15.4 0.013 64.5 3.64 0.090 Normal 24.82 8.5 12.6 0.024 6.70 03 10.0 9.0 44.4 14.8 66.8 0.013 3.47 0.093 24.82 Normal 10.1 15.2 0.029 04 7.88 10.0 8.8 47.0 15.0 0.013 69.5 0.097 3.40 26.62 Normal 12.5 18.5 0.036 05 9.85 10.0 8.7 48.1 14.8 70.6 0.013 0.098 3.44 Normal 27.59 8.0 11.7 0.023 06 6.37 8.7 10.1 46.5 14.8 0.013 68.2 0.095 3.53 Normal 26.11 9.4 13.8 0.027 07 7.31 8.6 10.0 14.7 47.2 68.7 0.012 3.42 0.096 27.26 Normal 16.3 23.7 0.046 13.10 80 10.0 8.3 14.6 51.8 0.012 73.6 3.52 0.103 36.44 Normal 10.9 15.5 0.030 09 10.64 8.4 10.0 50.5 14.2 72.3 0.012 0.101 28.59 4.28 Normal 7.5 10.7 0.021 5.86 10 11.7 Inval 16.8 Inval 0.014 inval Inval 3.99 Inval Normal Inval Inval Inval 11 Inval Inva! Inval Inval inval Inval Inval Inval Inval Normal Inval Inval Invai Inval 12 Inval Inval Inval Inval Inval Inval Inval Inval Invai Normal Inval Inval Invai Inval 13 Invai Inval Inval Inval Inval Inval Inval Inval Inval Normal Inval inval Inval Inval 14 Invai Inval Invat Inval Invai Inval Inval inval Inval Normal Inval Inval Inval Inval Invai 15 Inval invai Inval Inval Inval Inval Inval Inval Normal Inval Inval Inval Inval Inval 16 Inval Inval Inval Inval Inval Inval Invai Inval Normal Inval Inval Inval Inval 17 Inval inval Inval Inval Inval Inval Inval Inval Inval Normal Inval Invai Inval Inval 18 Inval invai Inval Inval Inval Inval Inval Invai Inval Inval Normal inval Inval Inval Invai 19 Inval Inval Inval Inval Inval Inval Inval Inval Normal Inval Inval Inval Inva! Inval 20 Inval Inval Inval inval Inval Inval Inval Inval Inval Normal Inval Inval Inval 21 Invai Inval Inval Inval Inval Invai inval Inval Inval Normal Invai Inval Inval 22 Inval Inval Inval Invai inval Inval Inval Inval Inval Inval Normal Inval Inval Inval Inval 23 Inval Inval Inval inval inval Inval Inval Inval Inval Normal Inval invai Inval Inval Inval Inval Inval Invai Average inval Normal 8.7 47.5 69.6

16.0

0.031

0.028

10.2

88.06

61500

15.0

0.013

36.2

Total

30-Day Ring

365-Day Ring

0.097

0.091

277,11

Boiler 1 Excess Emissions

Colmac Energy
NOx lb/hr 3-Hr Rolling Excess Emissions for 12/1/2019 thru 12/31/2019

Parameter	Start	End	Duration	Value	Min	Max	Limit	Reason	Action
NOx lb/hr 3-Hr Rolling	12/11/2019 9:00 AM	9:59 AM	1 hour	31.0	31.0	31.0	30	O2 wet analyzer inverter failed	E/I performed a single point calibratration on the wet O2
Total	duration		1 hour						